

ABSTRACT

Nucleic acid probes are provided, each of which is formed of a single-stranded oligonucleotide which can hybridize to a target nucleic acid and is labeled with a fluorescent dye or with a fluorescent dye and a quencher substance. The nucleic acid probes can be easily designed, permit determination, polymorphous analysis or real-time quantitative PCR of nucleic acids in short time, and are not dissociated during reactions.

Nucleic acid determination methods, polymorphous analysis methods and real-time quantitative PCR methods, which make use of the nucleic acid probes, are also provided.